



Docket Number: 081468-0306526  
Client Reference: P-1598.010-US

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of

DERKSEN et al.

Group Art Unit: 2882

Application No.: 10/705,785

Examiner:

Filed: November 12, 2003

Confirmation No.: 5221

For: LITHOGRAPHIC APPARATUS AND DEVICE MANUFACTURING METHOD

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 C.F.R. 1.56, the attention of the Patent and Trademark Office is hereby directed to the following U.S. patent application(s):

Examiner's Initials	First Inventor	Application No.	Filing Date	Enclosed
	DIERICHS (081468-0308270)	10/775,326	02/11/2004	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: stamped receipt card
	DUINEVELD et al. (081468-0308101)	10/773,461	02/09/2004	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: stamped receipt card
	FLAGELLO et al. (081468-0302644)	10/698,012	10/31/2003	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: stamped receipt card
	HOOGENDAM et al. (081468-0308674)	10/831,370	04/26/2004	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input checked="" type="checkbox"/> Other: stamped receipt card
	SUWA et al. (Reissue Application of U.S. Patent No. 6,191,429 B1)	10/367,910	02/19/2003	<input checked="" type="checkbox"/> Specification <input checked="" type="checkbox"/> Drawings <input type="checkbox"/> Other: stamped receipt card

\*The Examiner's initials adjacent a citation indicates he/she has considered the cited application relative to the subject application.

It is respectfully requested that these applications and the art cited therein during examination be expressly considered during the prosecution of this application and be made of record in this application. The identification of the above U.S. patent applications is not to be construed as a waiver of secrecy as to those applications now or upon issuance of the present application as a patent.

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Atty Dkt. No. 081468-0306526  
Page 2

**PLEASE DO NOT PRINT** the above information on the patent which results from this application.

Consideration of each listed application is earnestly solicited since unpublished patent applications are contemplated as IDS material; see the exception in Rule 98(a)(2)(iii) and note the penultimate sentence of MPEP 609.

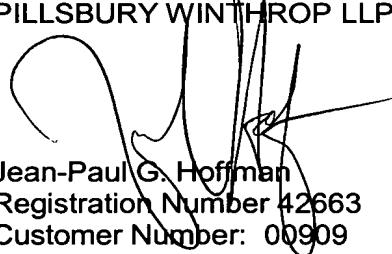
Further, in keeping with MPEP 609, subsec. C(2), 2nd para., line 10 to end of the paragraph (especially note lines 18-25) **PLEASE RETURN A COPY OF THIS LETTER** with the Examiner's initials adjacent each above listing so that applicant will know that each listed application has been considered as required by PTO policy.

Secondly, please consider each document which is listed on the attached Form PTO-1449 and return a copy of that form with the Examiner's initials adjacent each citation, a copy of each document enclosed except for any U.S. patents and published patent applications. It is respectfully requested that these documents listed on the Form PTO-1449 be expressly considered during the prosecution of this application, and that the documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits in the present application. No certification or fee is required.

Respectfully Submitted,

PILLSBURY WINTHROP LLP



Jean-Paul G. Hoffman  
Registration Number 426663  
Customer Number: 00909

Date: June 22, 2004

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FORM PTO-1449 (modified)  
 To: U.S. Department of Commerce  
 (PW FORM PAT-1449)  
 Patent and Trademark Office



**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

Date: June 22, 2004

Page **1** of **1**

Atty. Dkt. No.	M#	Client Ref:
	<b>306526</b>	<b>P-1598.010-US</b>
Applicant: DERKSEN et al.		
Appln. No.: 10/705,785		
Filing Date: November 12, 2003		
Examiner:		Group Art Unit: 2882

**U.S. PATENT DOCUMENTS**

Examiner's Initials*	Document Number	Date MM/YYYY	Name (Family Name of First Inventor)	Class	Sub Class	Filing Date (if appropriate)
AR	2004/0075895 A1	04/2004	LIN			
BR	2004/0109237 A1	06/2004	EPPEL et al.			
CR						
DR						
ER						
FR						
GR						
HR						

**FOREIGN PATENT DOCUMENTS**

	Document Number	Date MM/YYYY	Country	Inventor Name	English Abstract		Translation Readily Available	
					Enclosed	No	Enclose	No
IR	JP 07-132262	05/1995	JAPAN	HIRAKAWA et al.		X		
JR	JP 58-202448	11/1983	JAPAN	KAWAMURA et al.		X		
KR	WO2004/019128	03/2004	PCT	OMURA et al.				
LR	WO 03/077037	09/2003	PCT	ROSTALSKI				
MR	WO 03/077036	09/2003	PCT	SCHUSTER		X		
NR	DD 206 607	02/1984	GERMANY	WESTPHAL et al.			X	
OR	DD 221 563	04/1985	GERMANY	PFORR et al.			X	
PR								
QR								

**OTHER (Including in this order: Author, Title, Periodical Name, Date, Pertinent Pages, etc.)**

RR	S. OWA et al., "Update on 193nm immersion exposure tool", Litho Forum, International SEMATECH, Los Angeles, January 27-29, 2004, Slide Nos. 1-51		
SR	H. HATA, "The Development of Immersion Exposure Tools", Litho Forum, International SEMATECH, Los Angeles, January 27-29, 2004, Slide Nos. 1-22		
TR	T. MATSUYAMA et al., "Nikon Projection Lens Update", SPIE Microlithography 2004, 5377-65, March, 2004		
UR	"Depth-of-Focus Enhancement Using High Refractive Index Layer on the Imaging Layer", IBM Technical Disclosure Bulletin, Vol. 27, No. 11, April 1985, p. 6521		
VR	A. SUZUKI, "Lithography Advances on Multiple Fronts", EEdesign, EE Times, January 5, 2004		
WR	B. LIN, "The $k_3$ coefficient in nonparaxial $\lambda/NA$ scaling equations for resolution, depth of focus, and immersion lithography, J. Microlith., Microfab., Microsyst. 1(1):7-12 (2002)		
XR			
YR			
ZR			

Examiner

Date Considered:

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

36  
**PTO RECEIPT Attorney Docket: 081468-0308674**

Atty: Jean-Paul G. Hoffman/ R. Parra

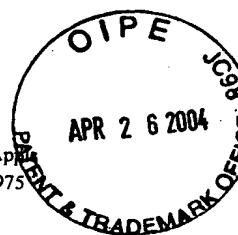
Appln. No: TO BE ASSIGNED Date: April 26, 2004

Inventor(s): HOOGENDAM ET AL.

Title: Lithographic Apparatus And Device Manufacturing Method

Application Data Sheet  
 Utility/Design/Provisional  
 33 No. of Pages Application (Spec + Claim(s) + Abstract)  
 61 No. of Numbered Claims Only  
 9 No. of Sheets of Drawings (Fig(s) 1 - 16)  
 IDS       PTO-1449       Appendix for Cited Apps  
\$              Total Fee Charged to Deposit Account 033975

Other:



CURRENT DUE DATE:

**PTO RECEIPT Attorney Docket: 081468-0308674**

Atty: Jean-Paul G. Hoffman/R. Parra

Appln. No: TO BE ASSIGNED Date: April 26, 2004

Inventor(s): HOOGENDAM ET AL.

Title: Lithographic Apparatus And Device Manufacturing Method

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\$              Total Fee Charged to Deposit Account 033975

Other:

19587 U.S. PTO  
10/831370

CURRENT DUE DATE:



042604

PTO RECEIPT Attorney Docket: 081468-0302644

Atty: John P. Darling/Togba

Appn. No: New appln. Date: October 31, 2003

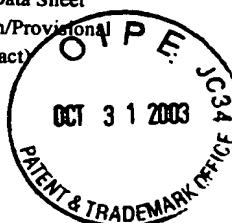
Inventor(s): DONIS FLAGELLO ET AL.

Title: LITHOGRAPHIC . . . MANUFACTURING METHOD

Preliminary Amendment  Application Data Sheet  
 Appendix  Utility/Design/Provisional  
**[19]** No. of Pages Application (Spec + Claim(s) + Abstract)  
 No. of Pages Separate Power of Attorney  
**[23]** No. of Numbered Claims Only  
 Declaration (   of pages)  
 Assignment  Cover Sheet  
 No. of Priority Documents  
**[4]** No. of Sheets of Drawings (Fig(s) **[6]**)  
 IDS  Appendix for Cited Appl(s)  Foreign Search Report/OA  
 PTO-1449  Cited Documents  Nonpublication Request  
**\$ 0.00** Total Fee Charged to Deposit Account 033975

Other:

CURRENT DUE DATE:



PTO RECEIPT Attorney Docket: 081468-0302644

Atty: John P. Darling/Togba

Appn. No: New Appln. Date: October 31, 2003

Inventor(s): DONIS FLAGELLO ET AL.

Title: LITHOGRAPHIC . . . MANUFACTURING METHOD

Preliminary Amendment  Application Data Sheet  
 Appendix  Utility/Design/Provisional  
**[19]** No. of Pages Application (Spec + Claim(s) + Abstract)  
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 PTO-1449  Cited Documents  Nonpublication Request  
**\$ 0.00** Total Fee Charged to Deposit Account 033975

Other:

CURRENT DUE DATE:

03945 U.S. PTO  
10/698012



103103

PTO RECEIPT Attorney Docket: 081468-0308101

Atty: John P. Darling/R. Parra

Appn. No: TO BE ASSIGNED Date: February 6, 2004

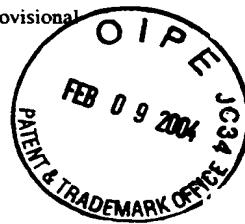
Inventor(s): PAULUS CORNELIS DUINEVELD ET AL

Title: Lithographic Apparatus and Device Manufacturing Method

Preliminary Amendment  Application Data Sheet  
 Appendix  Utility/Design/Provisional  
**[16]** No. of Pages Application (Spec + Claim(s) + Abstract)  
 No. of Pages Separate Power of Attorney  
**[33]** No. of Numbered Claims Only  
 Declaration (      of pages)  
 Assignment  Cover Sheet  
 No. of Priority Documents  
**[3]** No. of Sheets of Drawings (Fig(s) **[1-5]**)  
 IDS  Appendix for Cited Appl(s)  Foreign Search Report/OA  
 PTO-1449  Cited Documents  Nonpublication Request

\$  Total Fee Charged to Deposit Account 033975

Other:



PTO RECEIPT Attorney Docket: 081468-0308101

Atty: John P. Darling/R. Parra

Appn. No: TO BE ASSIGNED Date: February 6, 2004

Inventor(s): PAULUS CORNELIS DUINEVELD ET AL.

Title: Lithographic Apparatus and Device Manufacturing Method

Preliminary Amendment  Application Data Sheet  
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**[16]** No. of Pages Application (Spec + Claim(s) + Abstract)  
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 PTO-1449  Cited Documents  Nonpublication Request

\$  Total Fee Charged to Deposit Account 033975

Other:

15535 U.S. PTO  
**10/773461**



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PTO RECEIPT Attorney Docket: 081468-0308270

Atty: Jack S. Barufka/J. Hoffman:rsp

Appn. No: TO BE ASSIGNED Date: February 11, 2004

Inventor(s): MARCEL MTM DIERICH

Title: DEVICE MANUFACTURING METHOD AND A SUBSTRATE

Preliminary Amendment  Application Data Sheet  
 Appendix  Utility/Design/Provisional  
**[18]** No. of Pages Application (Spec + Claim(s) + Abstract)  
 No. of Pages Separate Power of Attorney  
**[31]** No. of Numbered Claims Only  
 Declaration (      of pages)  
 Assignment  Cover Sheet  
 No. of Priority Documents  
**[3]** No. of Sheets of Drawings (Fig(s) **[1-5B]**)  
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 PTO-1449  Cited Documents  Nonpublication Request  
\$  Total Fee Charged to Deposit Account 033975

Other:

CURRENT DUE DATE:



PTO RECEIPT Attorney Docket: 081468-0308270

Atty: Jack S. Barufka/J. Hoffman:rsp

Appn. No: TO BE ASSIGNED Date: February 11, 2004

Inventor(s): MARCEL MTM DIERICH

Title: DEVICE MANUFACTURING METHOD AND A SUBSTRATE

Preliminary Amendment  Application Data Sheet  
 Appendix  Utility/Design/Provisional  
**[18]** No. of Pages Application (Spec + Claim(s) + Abstract)  
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CURRENT DUE DATE:

31354 U.S. PTO  
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